PA INT COOPERATION TREAT

From the INTERNATIONAL BUREAU

PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2) Date of mailing (day/month/year)	Assistant Commissioner for Patents United States Patent and Trademark Office Box PCT Washington, D.C.20231 ETATS-UNIS D'AMERIQUE
22 May 2000 (22.05.00)	in its capacity as elected Office
International application No. PCT/AU99/00922	Applicant's or agent's file reference
International filing date (day/month/year) 25 October 1999 (25.10.99)	Priority date (day/month/year) 26 October 1998 (26.10.98)
Applicant VUJIC, Milivoj	20 000001 1000 (201010)
1. The designated Office is hereby notified of its election made X in the demand filed with the International Preliminary 17 April 2000 (** in a notice effecting later election filed with the International Preliminary 17 April 2000 (**	Examining Authority on: 17.04.00) ational Bureau on:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

F. Baechler

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35



THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

- 1. A pre-formed insulation module for insulating a process component having opposed longitudinally extending contacting surfaces extending along a length thereof and terminal contacting surfaces at each end thereof comprising:
 - (a) at least one first inner insulation layer being constituted of an insulation material having suitable thermal shock characteristic under cryogenic conditions and having one surface proximate to a surface of a component to be insulated,
 - (b) at least one second outer insulation layer disposed radially outwardly of said inner insulation layer;
 - (c) at least one water vapour barrier layer; and
 - (d) a cladding layer.
- 2. The module of claim 1 including connection means for connecting said module to a further adjacent such module for insulating said component.
- 3. The module of claim 2 wherein said connection means are circumferentially and longitudinally disposed relative to a longitudinal axis of said module.
- 4. The module of claim 3 wherein said circumferentially disposed connection means are formed in the terminal contacting surfaces and the longitudinally disposed connection means are formed in said longitudinally extending surfaces.
- 5. The module of claim 3 or 4 wherein said connection means are tongue and groove joints, complementary joints being formed at each end of the module.

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- (b) at least one second outer insulation layer disposed radially outwardly of said inner insulation layer;
- (c) at least one water vapour barrier layer; and
- (d) a cladding layer.

By pre-formed is meant that the insulation module may be manufactured, as a complete insulating article, prior to transfer to, and installation at, a factory site. The factory site may be very remote to the site where installation will take place. Such pre-fabrication of modules, which may be installed directly at the site, saves significant site costs and reduces the cost of the insulation project.

The pre-formed module may be made up of any desired number of insulating layer(s) and any desired number of cladding layer(s) though minimising the number of layers will facilitate accurate fabrication. Each layer is of nature and thickness appropriate to the application.

The insulating layers must firstly include, proximate the insulated component, and most advantageously in contact with it, at least one first inner insulation layer of an insulation material, ideally a polymeric foam which retains flexibility and does not embrittle at cryogenic temperatures. Such foam layer accommodates thermal expansion/contraction behaviour of the insulated component and must therefore have appropriate thermal shock characteristics at cryogenic temperatures. Exemplary of such an insulating material is a polyimide foam.

Further second layer(s) of insulating materials of same or different nature from the first layer(s) may be employed radially outwardly from the first insulation layer. Polyisocyanurate resin (PIR), polyurethane or possibly other polymer foams, which may be harder than the first layer, may be employed for such further layers. Five or more such insulation layers may be provided, three or more of which may be formed of a polymeric foam. More advantageously, one or more of the insulation layers may be formed integral to facilitate fabrication. For example, the layers radially outwardly disposed from the inner insulation layer may be integrated to reduce the number of layers of insulation. Typically, the PIR or polyurethane foam layer may be

PAT IT COOPERATION TREATY

From the:

PERNATIONAL PRELIMINARY EXAMINE UTHORITY

To:

WATERMARK PATENT & TRADEMARK ATTORNEYS Locked Bag 5 HAWTHORN VIC 3122 **PCT**

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of mailing day/month/year

-7 AUG 2000

IMPORTANT NOTIFICATION

26 October 1998

Applicant's or agent's file reference

International application No.

PCT/AU99/00922

P15548PCAU

International filing date

25 October 1999

Priority date

Applicant

BAINS HARDING LIMITED

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translations to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide

Name and mailing address of the IPEA/AU

AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929 Authorized officer

GARETH COOK

Telephone No. (02) 6283 2541



PA NT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P15548PCAU	FOR FURTHER ACTION		Transmittal of International Preliminary (Form PCT/IPEA/416).
International application No.	International filing da	te (day/month/year)	Priority Date (day/month/year)
PCT/AU99/00922	25 October 1999		26 October 1998
International Patent Classification (IPC	or national classification	on and IPC	
Int. Cl. 7 F16L 59/02, F16L 59/14			
Applicant BAINS HARDING LIMITED			
	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 		
2. This REPORT consists of a to	tal of 3 sheets, include	ding this cover sheet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a total	al of 2 sheet(s).		
3. This report contains indications relat	ing to the following iten	ns:	
I X Basis of the repor	I Basis of the report		
II Priority			
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of invention			
	nt under Article 35(2) v anations supporting suc		inventive step or industrial applicability;
VI Certain document	s cited		
VII Certain defects in	VII Certain defects in the international application		
VIII Certain observation	ons on the international	application	
Date of submission of the demand 17 April 2000	1	ate of completion of th	e report
Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE	A	uthorized Officer	
PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		ARETH COOK	
1 acomme 110. (02) 0203 3727		elephone No. (02) 628	3 2541

	Basis of the repor	
1.	With regard to the elem	ents of the international application:*
	the international	application as originally filed.
	X the description,	pages 1-2, 4-18, as originally filed,
		pages , filed with the demand,
		pages 3, received on 26 July 2000 with the letter of 26 July 2000
	X the claims,	pages 20-21, as originally filed,
		pages , as amended (together with any statement) under Article 19,
		pages , filed with the demand,
		pages 19, received on 26 July 2000 with the letter of 26 July 2000
	X the drawings,	pages /- gas originally filed,
		pages filed with the demand,
		pages, received on with the letter of
	the sequence listing	ng part of the description:
		pages , as originally filed
		pages , filed with the demand
		pages , received on with the letter of
2.	which the international	age, all the elements marked above were available or furnished to this Authority in the language in application was filed, unless otherwise indicated under this item. ilable or furnished to this Authority in the following language which is:
		translation furnished for the purposes of international search (under Rule 23.1(b)).
	the language of pu	ablication of the international application (under Rule 48.3(b)).
	the language of the and/or 55.3).	e translation furnished for the purposes of international preliminary examination (under Rules 55.2
3.	the sequence listing:	totide and/or amino acid sequence disclosed in the international application, was on the basis of
	contained in the in	ternational application in written form.
	filed together with	the international application in computer readable form.
	furnished subsequ	ently to this Authority in written form.
	furnished subsequ	ently to this Authority in computer readable form.
		the subsequently furnished written sequence listing does not go beyond the disclosure in the cation as filed has been furnished.
	The statement that been furnished	the information recorded in computer readable form is identical to the written sequence listing has
١.	The amendments l	nave resulted in the cancellation of:
	the descript	ion, pages
	the claims,	Nos.
	the drawing	s, sheets/fig.
i.	to go beyond the d	en established as if (some of) the amendments had not been made, since they have been considered sclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
ı		ave been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
*		ning such amendments must be referred to under item 1 and annexed to this report



INTERNATIONAL PRELIMINAR. ...XAMINATION REPORT

Interitional application No.

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

l .	<u> </u>		
1.	Statement		
	Novelty (N)	Claims 1-13	YES
		Claims	NO
	Inventive step (IS)	Claims 1-13	YES
		Claims	NO
	Industrial applicability (IA)	Claims 1-13	YES
		Claims	NO

2. Citations and explanations (Rule 70.7)

Novelty (N) and Inventive Step (IS) claims 1-13

The closes prior art is considered to be GB 2 296 749. This document discloses a cryogenic insulation module with inner and outer insulation layers, and cladding layer, one layer of which acts as a water vapour barrier, and contacting surfaces for contacting adjacent modules. Claim 1 differs from the prior art by having the longitudinal contacting surface being formed at least in part by one of the insulation layers, while the cited document discloses a separate layer being used to form the longitudinal contacting surface, nor would this construction defined in claim 1 be obvious in the light of the cited document. Therefore the subject matter of claim 1 and appended claims 2-13 is novel and is not obvious and meets the requirements of Articles 33(2) and 33(3) of the PCT with regard to novelty and inventive step.

PA1...IT COOPERATION TREATY WATERMARK From the: THORITY INTERNATIONAL PRELIMINARY EXAMININ PERTH 25 JUL 2000 WATERMARK PATENT & TRADEMARK WRITTEN OPINION ATTORNEYS 4th Floor, Durack Centre (PCT Rule 66) 263 Adelaide Terrace PERTH 6000 W.A. Date of mailing 2000 JULY (day/month/year) Applicant's or agent's file reference within ONE MONTH REPLY DUE P15548PCAU RHB:JAM from the above date of mailing International application No. International filing date (day/month/year) Priority Date (day/month/year) 25 October 1999 26 October 1998 PCT/AU99/00922 International Patent Classification (IPC) or both national classification and IPC Int. Cl. 7 F16L 59/02, F16L 59/14 Applicant BAINS HARDING LIMITED et al 1. This written opinion is the second drawn by this International Preliminary Examining Authority. 2. This opinion contains indications relating to the following items:. Basis of the opinion 1 X **Priority** II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Ш Lack of unity of invention ΙV Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability, V citations and explanations supporting such statement VI Certain documents cited Certain defects in the international application VII Certain observations on the international application VIII The applicant is hereby invited to reply to this opinion. When? See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to grant an extension, see Rule 66.2(d). How? By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. For the form and the language of the amendments, see Rules 66.8 and 66.9. Also For an additional opportunity to submit amendments, see Rule 66.4. For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis. For an informal communication with the examiner, see Rule 66.6. If no reply is filed, the international preliminary examination report will be established on the basis of this opinion. The final date by which the international preliminary examination report must be established 4. according to Rule 69.2 is: 26 February 2001 Name and mailing address of the IPEA/AU Authorized Officer AUSTRALIAN PATENT OFFICE

GARETH COOK

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WRITTEN O. LION

Into tional application No.

T/AU99/00922

1. Basis of the opinion
1. With regard to the elements of the international application:*
the international application as originally filed.
X the description, pages 1-2, 4-18, as originally filed,
pages , filed with the demand,
pages 3, received on 29 June 2000 with the letter of 29 June 2000
X the claims, pages 20-21, as originally filed,
pages , as amended under Article 19,
pages, filed with the demand,
pages 19, received on 29 June 2000 with the letter of 29 June 2000
X the drawings, pages 1-8, as originally filed,
pages, filed with the demand,
pages, received on with the letter of
the sequence listing part of the description:
pages, as originally filed
pages , filed with the demand
pages, received on with the letter of
2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:
the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
the language of publication of the international application (under Rule 48.3(b)).
the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion was drawn on the basis of the sequence listing:
contained in the international application in printed form.
filed together with the international application in computer readable form.
furnished subsequently to this Authority in written form.
furnished subsequently to this Authority in computer readable form.
The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
4. The amendments have resulted in the cancellation of:
the description, pages
the claims, Nos.
the drawings, sheets/fig.
This opinion has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed"



International application No. PC1/AU99/00922

v.	Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

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1,	Statement		
	Novelty (N)	Claims 3-10	YES
		Claims 1-2, 11-13	NO ·
}	Inventive step (IS)	Claims 6-10	YES
		Claims 1-5, 11-13	NO
; ,	Industrial applicability (IA)	Claims 1-13	YES
		Claims	NO
i			

2. Citations and explanations

Document considered for novelty and inventive step:

GB 2 296 749

Novelty (N) and Inventive Step (IS) claims 1-5 and 11-13

Claim 1 has been amended to further define that the "contacting surfaces include a portion formed by a portion of at least one of said first inner insulating layer and said second outer insulating layer." However the claim does not indicate if this is referring to the "opposed longitudinally extending contact surfaces" or the "terminal contacting surfaces." GB 2 296 749 discloses in figure 8, described on pages 21-23, that the terminal contacting surfaces 84 are formed from at least a portion of at least one of the insulating layers. At the top of page 23 the specification describes "The opposing faces are not adhesively bonded to one other." (This is in comparison to the embodiment in figure 10 which is described half way down page 24 as having "The end 123 of one or both opposing ends is a layer of foam provided with an adhesive covering for vapour-proof assembly.") Hence the additional feature defined in the claim is disclosed in the citation. The remaining features are disclosed as indicated in the previous Written Opinion. As such claims 1-2 and 11-13 are disclosed by this document and claims 3-5 lack an inventive step in the light of this document.





Internatic Lil application No. PG U99/00922

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 1 is not clear. It is not clear if "said contacting surfaces" on the second last line is referring to the "opposed longitudinally extending contacting surfaces," or the "terminal contacting surfaces," or may be referring to either or both. As such the claim is not clear.

PA1_. (T COOPERATION TREATY

From the: INTERNATIONAL PRELIMINARY EXAMINING UTHORITY **PCT** WATERMARK PATENT & TRADEMARK WRITTEN OPINION **ATTORNEYS** Locked Bag 5 (PCT Rule 66) HAWTHORN VIC 3122 Date of mailing 10 May 2000 (day/month/year) within TWO MONTHS REPLY DUE Applicant's or agent's file reference from the above date of mailing P15548PCAU Priority Date (day/month/year) International filing date (day/month/year) International application No. 26 October 1998 25 October 1999 # CEP/X E00/00922 International Patent Classification (IPC) or both national classification and IPC F16L 59/02, 59/14 Int. Cl. 7 Applicant BAINS HARDING LIMITED et al This written opinion is the first drawn by this International Preliminary Examining Authority. 1. This opinion contains indications relating to the following items:. 2. Basis of the opinion **Priority** II Non-establishment of opinion with regard to novelty, inventive step and industrial applicability III Lack of unity of invention IV Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; V citations and explanations supporting such statement Certain documents cited VI Certain defects in the international application VII Certain observations on the international application VIII The applicant is hereby invited to reply to this opinion. 3. See the time limit indicated above. The applicant may, before the expiration of that time limit, request this Authority to When? grant an extension, see Rule 66.2(d). By submitting a written reply, accompanied, where appropriate, by amendments, according to Rule 66.3. How? For the form and the language of the amendments, see Rules 66.8 and 66.9. For an additional opportunity to submit amendments, see Rule 66.4. Also For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4bis. For an informal communication with the examiner, see Rule 66.6. If no reply is filed, the international preliminary examination report will be established on the basis of this opinion. The final date by which the international preliminary examination report must be established 4. according to Rule 69.2 is: 26 February 2001 Authorized Officer Name and mailing address of the IPEA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA GARETH COOK E-mail address: pct@ipaustralia.gov.au

Telephone No. (02) 6283 2541

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Inte	ional application No.
	/AU99/00922
	

Basis of the opinion	
1. With regard to the elements of the international application:*	
X the international application as originally filed.	
the description, pages, as originally filed,	
pages, filed with the demand,	
pages, received on with the letter of	
the claims, pages, as originally filed,	
pages , as amended under Article 19,	
pages , filed with the demand,	
pages, received on with the letter of	
the drawings, pages, as originally filed,	
pages , filed with the demand,	
pages, received on with the letter of	
the sequence listing part of the description:	
pages , as originally filed	
pages , filed with the demand	
pages, received on with the letter of	
2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:	in ·
the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).	
the language of publication of the international application (under Rule 48.3(b)).	
the language of the translation furnished for the purposes of international preliminary examination (under Rules and/or 55.3).	; 55.2
3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the written opinion drawn on the basis of the sequence listing:	n was
contained in the international application in printed form.	
filed together with the international application in computer readable form.	
furnished subsequently to this Authority in written form.	
furnished subsequently to this Authority in computer readable form.	
The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
The statement that the information recorded in computer readable form is identical to the written sequence listing been furnished.	g has
4. The amendments have resulted in the cancellation of:	
the description, pages	
the claims, Nos.	
the drawings, sheets/fig.	
This opinion has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	
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opinion as "originally filed"	



Int	tional application No.	
PCI	AU99/00922	

v.	Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

citations and explanations supporting such statement			
1.	Statement		
	Novelty (N)	Claims 1-2, 11-13	YES
		Claims 3-10	NO
	Inventive step (IS)	Claims 1-5, 11-13	YES
		Claims 6-10	NO
	Industrial applicability (IA)	Claims 1-13	YES
	•	Claims	NO
1			

2. Citations and explanations

Documents considered for novelty and inventive step:

GB 2 296 749

EP 297 612

Derwent Abstract accession Number 97-035858 (DE 29 618 681 U)

Novelty (N) claims 1-2, 11-13

GB 2 296 749 discloses insulation with an inner foam layer 4" which may act as a water vapour barrier (page 10 lines 7-10), outer foam layer 3 and cladding layer 2 which acts as a water vapour barrier. The current specification indicates at page 4 lines 7 to 9 that the cladding may also be the water vapour barrier. The insulation of the citation is stated as being used down to -200°C (page 2 second paragraph) indicating it is suitable for cryogenic use. The specification makes no clear statement as to the scope of "suitable thermal shock characteristics under cryogenic conditions," therefor this statement has been interpreted as 'suitable for cryogenic conditions. As such the features of claim 1 are disclosed.

Claim 2 is disclosed by connection means 7, 8 in figure 1 for adjacent semi-cylindrical modules. Claims 11-13 are also disclosed by the citation.

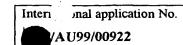
Inventive Step (IS) claims 3-5

Claims 3-5 are considered not to involve an inventive step in the light of GB 2 296 749. It is considered that the person skilled in the art could arrive at the features of these claims through routine design steps in solving the problem of how to connect longitudinally adjacent insulation modules, especially as there is already disclosed connection means of male/female parts for adjacent semi-cylindrical modules.

Inventive Step (IS) claim 1

EP 297 612 and Derwent Abstract 97-035858 both disclose modules with a single insulating layer, cladding layer and water vapour barrier layer. This differs from claim 1 which defines there being at least two insulating layers. However the specification does make any clear statement as to why there needs to be at least two insulating layers, especially as both layers may be made of the same material. It is therefor not considered essential to the working of the invention as defined by claim 1 that there be at least two insulating layers. Although the inventions of the citation are not for cryogenic conditions, it is considered that the person skilled in the art could readily select materials and through a routine workshop improvement make the citations suitable for cryogenic purposes. As such claim 1 lacks an







Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Claim 1 defines that the first insulation material has a "suitable thermal shock characteristic under cryogenic conditions." It is not clear from the specification what the precise scope of "suitable" encompasses or excludes from the claim.

REG 2 1 1 AUG 2000

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P15548PCAU	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).				
International application No.	International filing date (day/month/year)		Priority Date (day/month/year)			
PCT/AU99/00922	25 October 1999		26 October 1998			
International Patent Classification (IPC) or national classification and IPC						
Int. Cl. ⁷ F16L 59/02, F16L 59/14						
Applicant BAINS HARDING LIMITED						
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a tot	al of 3 sheets, includ	ing this cover sheet.				
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
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I X Basis of the report	I X Basis of the report					
II Priority						
III Non-establishmen	ent of opinion with regard to novelty, inventive step and industrial applicability					
IV Lack of unity of ir	Lack of unity of invention					
1 1	ent under Article 35(2) with regard to novelty, inventive step or industrial applicability; lanations supporting such statement					
VI Certain document	its cited					
VII Certain defects in	the international application					
VIII Certain observation	ons on the international application					
Date of submission of the demand 17 April 2000		Date of completion of the report 1 August 2000				
Name and mailing address of the PEA/AU		Authorized Officer				
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au E-conimila No. (02) 6285 2020		ARETH COOK				
Facsimile No. (02) 6285 3929		Telephone No. (02) 6283 2541				

INTERNATIONAL PRELIMINATION REPORT

rnational application No).
T/AU99/00922	

I.	Basis of the report		
1.	With regard to the elements of the international application:*		
	the international application as originally filed.		
	X the description, pages 1-2, 4-18, as originally filed,		
	pages , filed with the demand,		
	pages 3, received on 26 July 2000 with the letter of 26 July 2000		
	\overline{X} the claims, pages 20-21, as originally filed,		
	pages , as amended (together with any statement) under Article 19,		
	pages , filed with the demand,		
	pages 19, received on 26 July 2000 with the letter of 26 July 2000		
	X the drawings, pages /- g as originally filed,		
	pages filed with the demand,		
	pages, received on with the letter of		
	the sequence listing part of the description:		
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	pages , filed with the demand		
	pages, received on with the letter of		
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in		
	which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:		
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).		
	the language of publication of the international application (under Rule 48.3(b)).		
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2		
	and/or 55.3).		
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, was on the basis of the sequence listing:		
	contained in the international application in written form.		
	filed together with the international application in computer readable form.		
	furnished subsequently to this Authority in written form.		
	furnished subsequently to this Authority in computer readable form.		
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.		
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished		
4.	The amendments have resulted in the cancellation of:		
	the description, pages		
	the claims, Nos.		
	the drawings, sheets/fig.		
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered		
•	to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).** Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this		
	report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).		
**	Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report		

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement				
	Novelty (N)	Claims 1-13	YES		
		Claims	NO		
	Inventive step (IS)	Claims 1-13	YES		
		Claims	NO		
	Industrial applicability (IA)	Claims 1-13	YES		
	<i>:</i>	Claims	NO		

2. Citations and explanations (Rule 70.7)

Novelty (N) and Inventive Step (IS) claims 1-13

The closes prior art is considered to be GB 2 296 749. This document discloses a cryogenic insulation module with inner and outer insulation layers, and cladding layer, one layer of which acts as a water vapour barrier, and contacting surfaces for contacting adjacent modules. Claim 1 differs from the prior art by having the longitudinal contacting surface being formed at least in part by one of the insulation layers, while the cited document discloses a separate layer being used to form the longitudinal contacting surface, nor would this construction defined in claim 1 be obvious in the light of the cited document. Therefore the subject matter of claim 1 and appended claims 2-13 is novel and is not obvious and meets the requirements of Articles 33(2) and 33(3) of the PCT with regard to novelty and inventive step.